

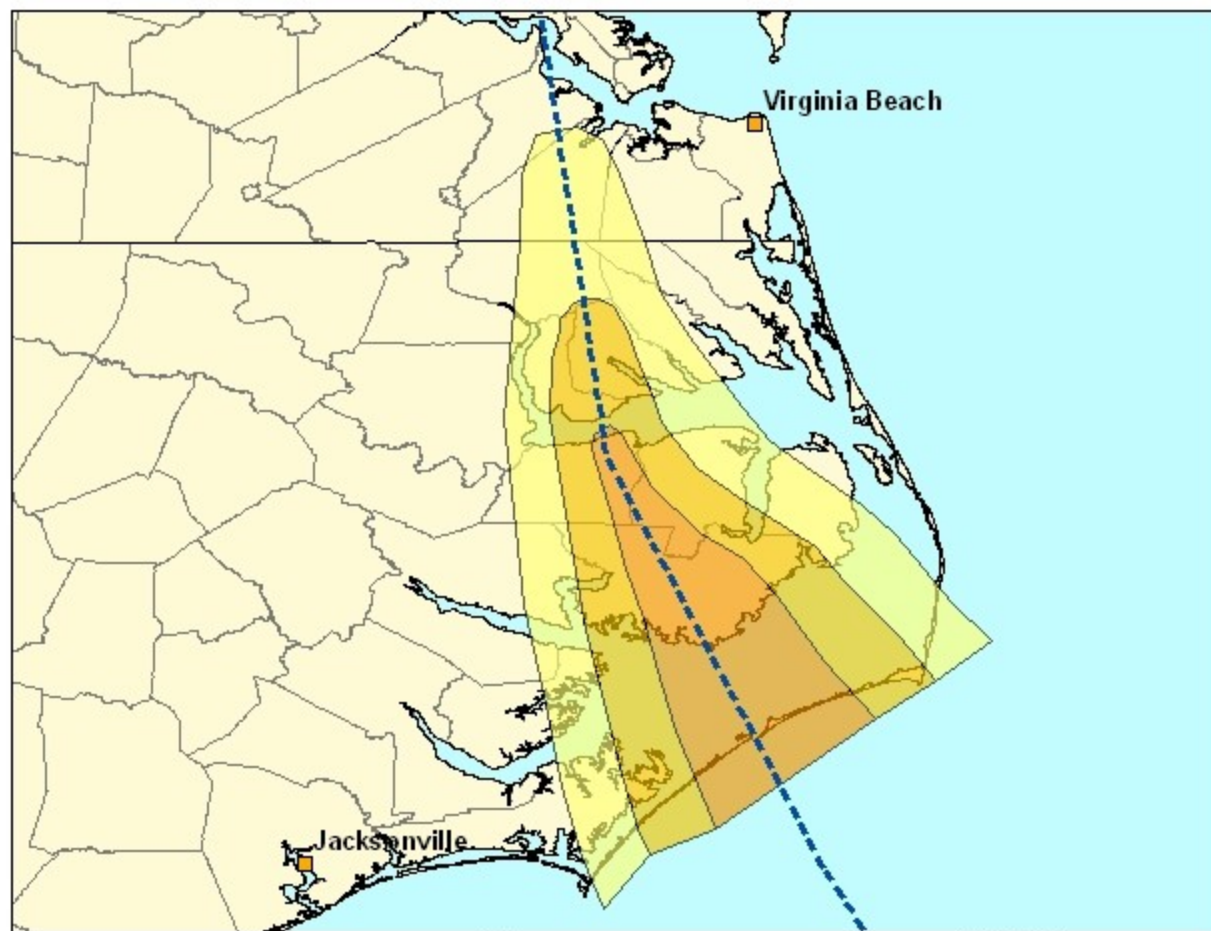


US Army Corps  
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# Hurricane Kate Projected Damage Areas

Landfall Expected In About **72** Hours

**For Official  
Use Only!**



## *Post Landfall Projected Damage Areas*

This model is based on a  
Category 2 storm making landfall  
near Cape Hatteras, NC.

Forecast Track

### Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 2 storm making landfall near Cape Hatteras, NC. These projections are based on information from the NHC (1330 EDT 04/30/2007) forecast.

Details about this model may be obtained at <https://englink.usace.army.mil>  
or contact ENGLink at 1-877-936-4546

## Hurricane Kate Projected Damage Areas

### Generated By:

Siemsen, LRL 1400 EDT 04/30/2007

### Sources:

HURREVAC  
LRL-DEBRIS

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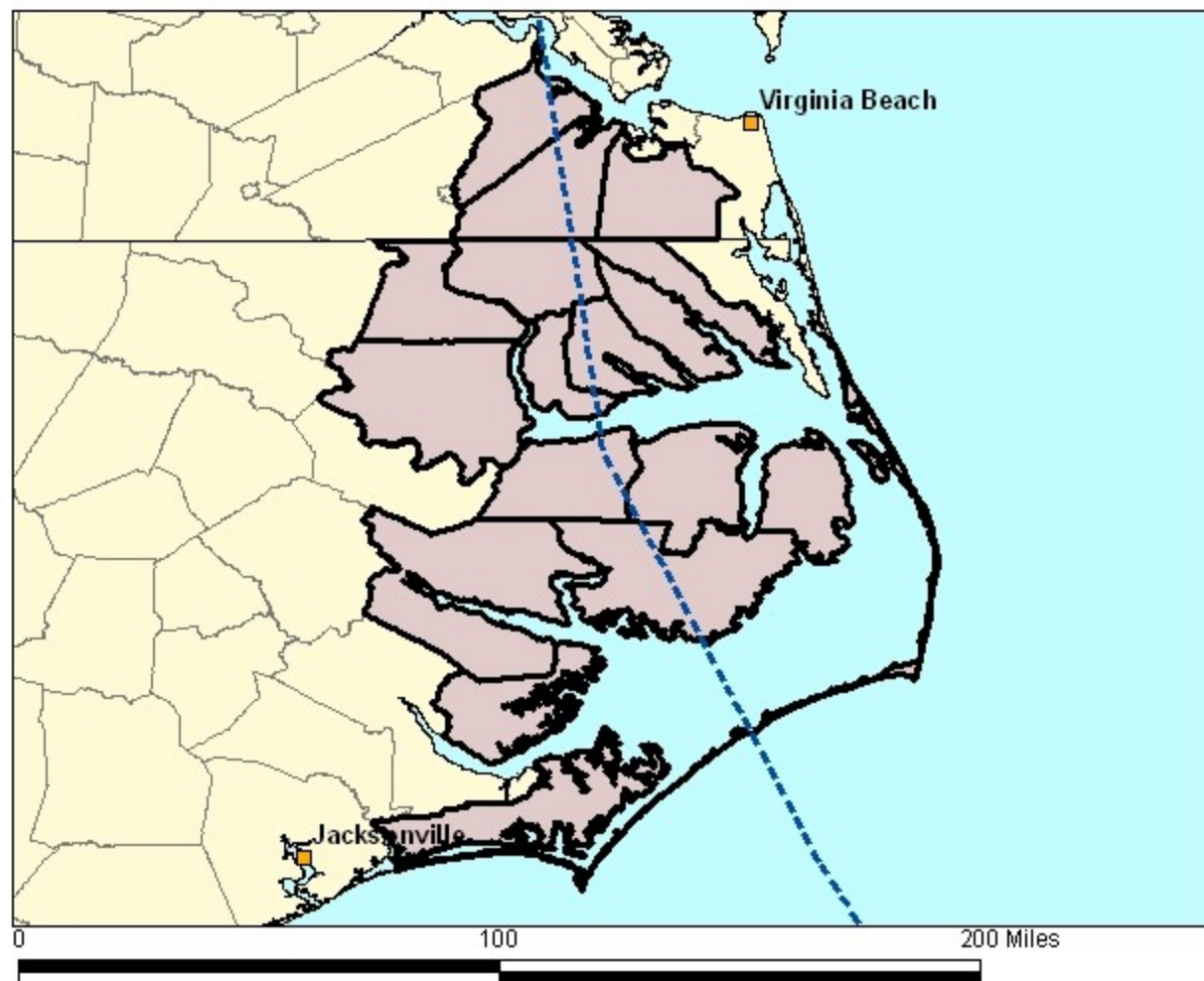


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# Hurricane Kate Debris Model

## Landfall Expected In About **72** Hours

**For Official  
Use Only!**



### ***Post Landfall Debris Model Results***

North Carolina - 313,000 Yards  
Virginia - 76,000 Yards

*Model results per county on  
following page*

This model is based on a  
Category 2 storm making landfall  
near Cape Hatteras, NC.

Forecast Track

#### **Debris**

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 2 storm making landfall near Cape Hatteras, NC. These projections are based on information from the NHC (1330 EDT 04/30/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at <https://englink.usace.army.mil>  
or contact ENGLink at 1-877-936-4546

### **Hurricane Kate Debris Model**

#### **Generated By:**

Siemsen, LRL 1400 EDT 04/30/2007

#### **Sources:**

HURREVAC  
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[illegible]

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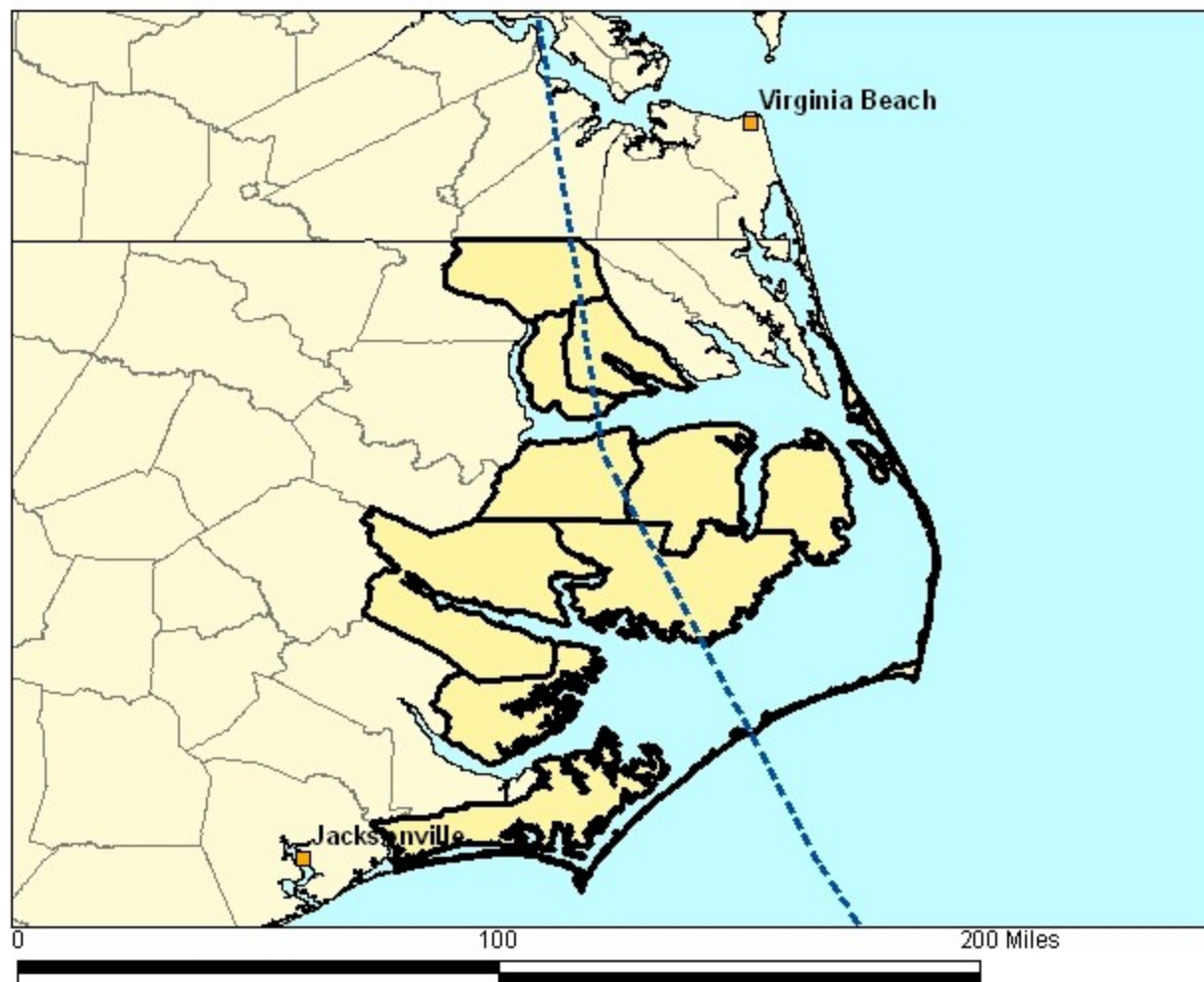


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# Hurricane Kate Population Model

Landfall Expected In About **72** Hours

**For Official  
Use Only!**



## Post Landfall Population Model Results

North Carolina - 38,000

*Model results per county on  
following page*

This model is based on a  
Category 2 storm making landfall  
near Cape Hatteras, NC.

Forecast Track

### Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 2 storm making landfall near Cape Hatteras, NC. These projections are based on information from the NHC (1330 EDT 04/30/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at <https://englink.usace.army.mil>  
or contact ENGLink at 1-877-936-4546

## Hurricane Kate Population Model

### Generated By:

Siemsen, LRL 1400 EDT 04/30/2007

### Sources:

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## Landfall Expected In About 72 Hours

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[illegible]

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or contact ENGLink at 1-877-936-4546

Hurricane Kate  
Population Model

Siemens, LRL 1400 EDT 04/30/2007

**Sources:**  
HURREVAC  
LRL-DEBRIS

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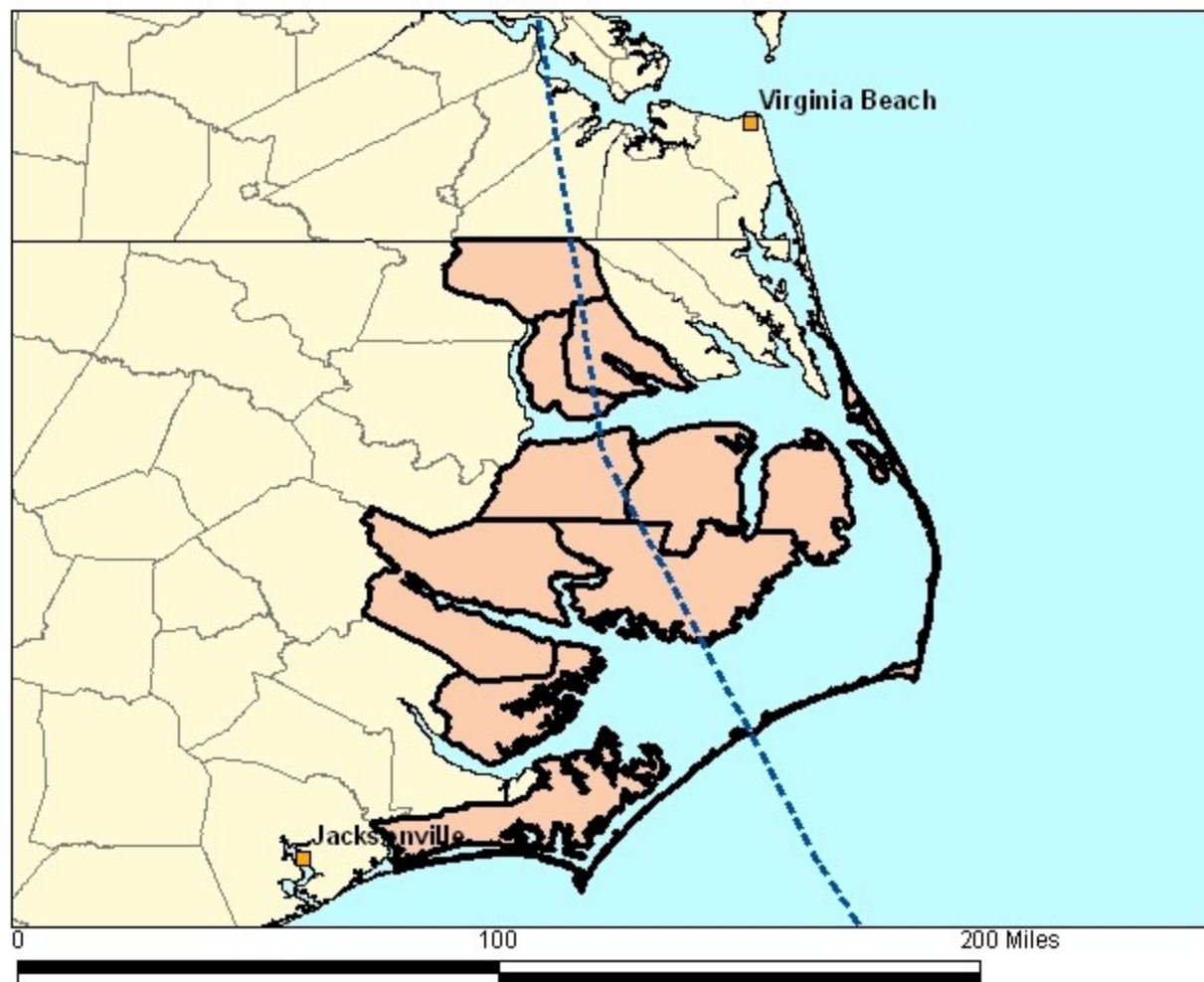


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# Hurricane Kate Households Model

Landfall Expected In About **72** Hours

**For Official  
Use Only!**



## Post Landfall Households Model Results

North Carolina - 15,000

*Model results per county on  
following page*

This model is based on a  
Category 2 storm making landfall  
near Cape Hatteras, NC.

Forecast Track

### Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50,000 households

Information provided on this page displays a Category 2 storm making landfall near Cape Hatteras, NC. These projections are based on information from the NHC (1330 EDT 04/30/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at <https://englink.usace.army.mil>  
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## Hurricane Kate Households Model

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Siemsen, LRL 1400 EDT 04/30/2007

**Sources:**  
HURREVAC  
LRL-DEBRIS

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## Landfall Expected In About 72 Hours

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[illegible]

Details about this model may be obtained at <https://englink.usace.army.mil>  
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Generated By:  
Siemens, LRL 1400 EDT 04/30/2007

**Sources:**  
HURREVAC  
LRL-DEBRIS

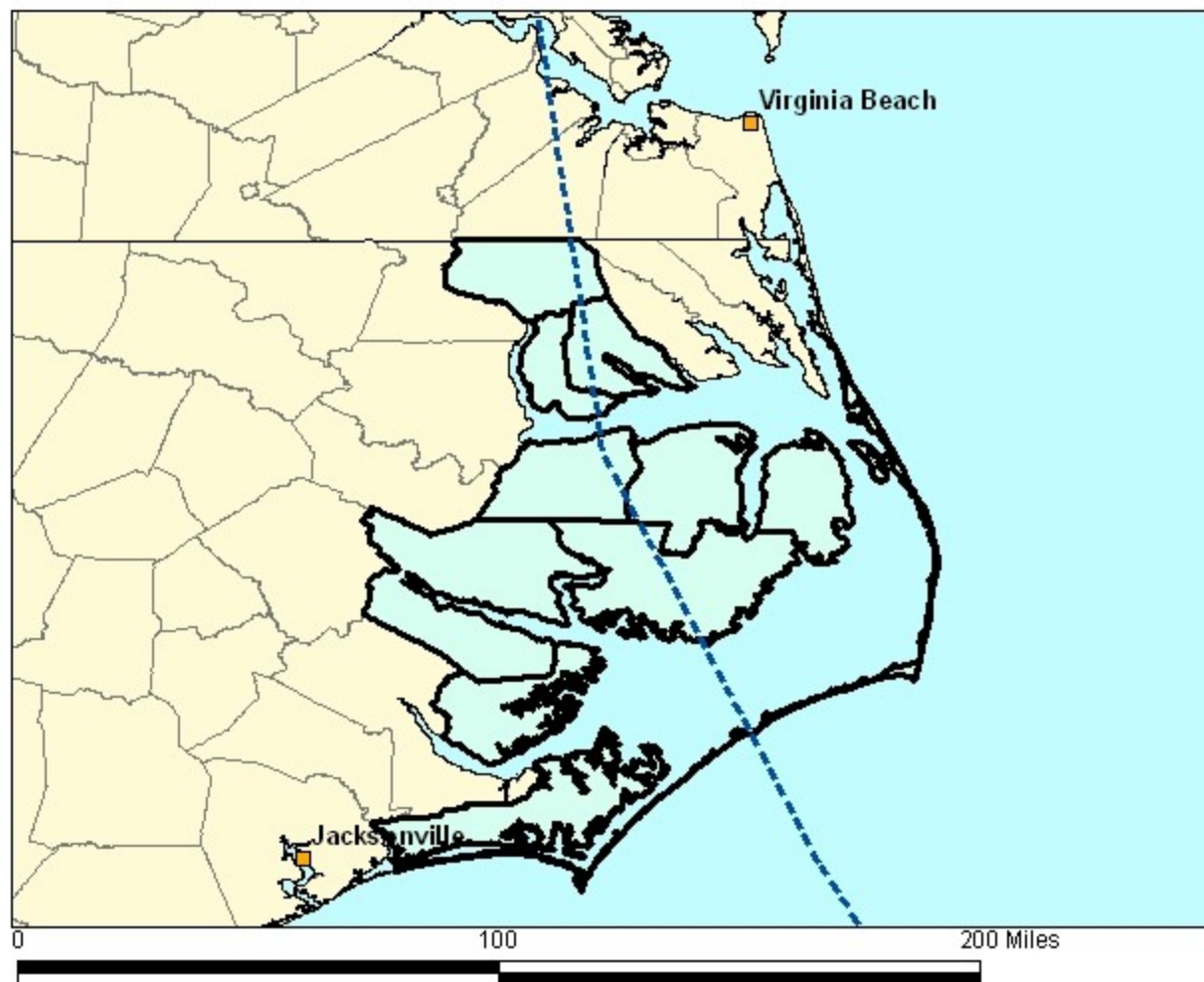


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# Hurricane Kate Commodities Model

Landfall Expected In About **72** Hours

**For Official  
Use Only!**



## Post Landfall Ice/Water Model Results

**Day One / Day Two / Day Three**  
NC – 3/5/10 Truckloads

*Model results per county on  
following page*

This model is based on a  
Category 2 storm making landfall  
near Cape Hatteras, NC.

Forecast Track

### Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 2 storm making landfall near Cape Hatteras, NC. These projections are based on information from the NHC (1330 EDT 04/30/2007) forecast. The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at <https://enlink.usace.army.mil>

or contact ENLink at 1-877-936-4546

## Hurricane Kate Commodities Model

### Generated By:

Siemsen, LRL 1400 EDT 04/30/2007

### Sources:

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LRL-DEBRIS

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## Landfall Expected In About 72 Hours

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[illegible]

The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system. The assumption in this scenario is that 40% of the resident population affected by the hurricane will have power outage in this area and cause a need for ice and water.

Details about this model may be obtained at <https://enqlink.usace.army.mil>  
or contact ENQLink at 1-877-936-4546

Hurricane Kate  
Commodities Model

**Generated By:**

Siemens, LRL 1400 EDT 04/30/2007

**Sources:**

HURREVAC  
LRL-DEBRIS

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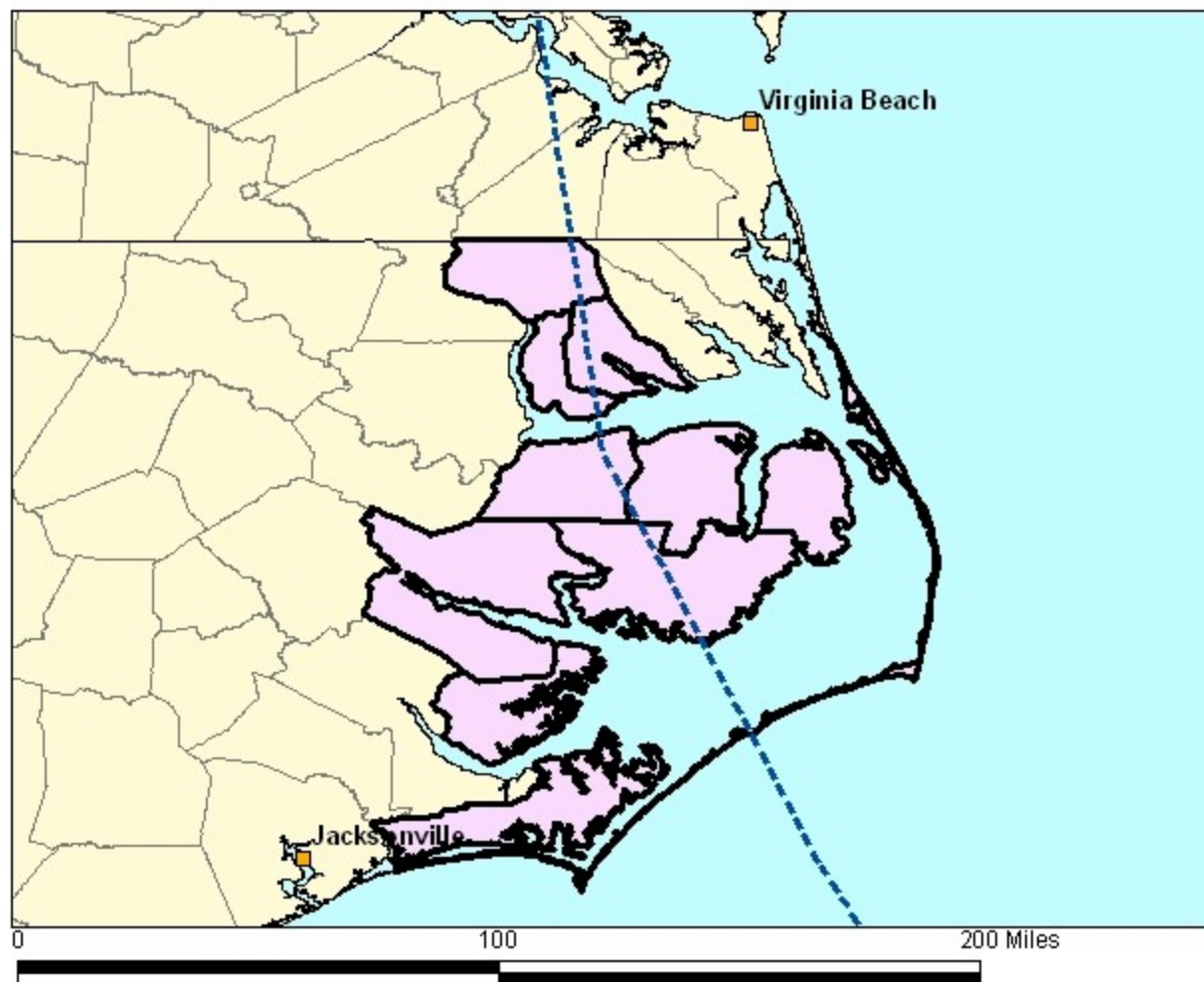


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# Hurricane Kate Temporary Housing Model

Landfall Expected In About **72** Hours

**For Official  
Use Only!**



## *Post Landfall Temporary Housing Model Results*

Less than 1,000

*Model results per county on  
following page*

This model is based on a  
Category 2 storm making landfall  
near Cape Hatteras, NC.

Forecast Track

### Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall near Cape Hatteras, NC. These projections are based on information from the NHC (1330 EDT 04/30/2007) forecast. Temporary housing is based on 1% in CAT 1 and 3% in CAT 2.

Details about this model may be obtained at <https://englink.usace.army.mil>  
or contact ENGLink at 1-877-936-4546

## Hurricane Kate Housing Model

### Generated By:

Siemsen, LRL 1400 EDT 04/30/2007

### Sources:

HURREVAC  
LRL-DEBRIS

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Landfall Expected In About **72** Hours

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[illegible]

Temporary housing is based on 1% in CAT 1 and 3% in CAT 2.

Details about this model may be obtained at <https://enqlink.usace.army.mil>  
or contact ENQLink at 1-877-936-4546

Hurricane Kate  
Housing Model

**Generated By:**

Siemens, LRL 1400 EDT 04/30/2007

**Sources:**

HURREVAC  
LRL-DEBRIS

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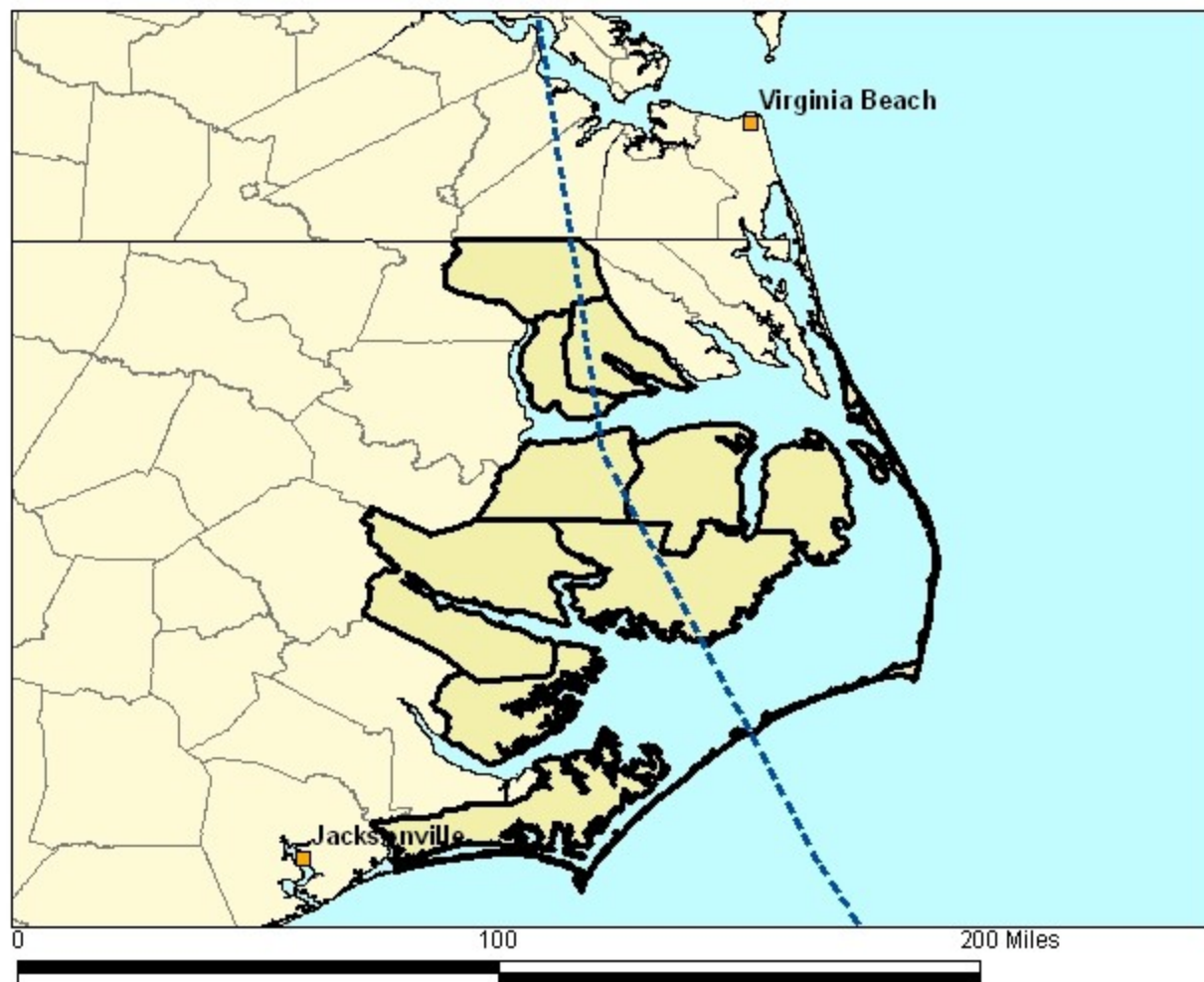


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# Hurricane Kate Temporary Roofing Model

Landfall Expected In About **72** Hours

**For Official  
Use Only!**



## Post Landfall Temporary Roofing Model Results

Less than 1,000

*Model results per county on  
following page*

This model is based on a  
Category 2 storm making landfall  
near Cape Hatteras, NC.

Forecast Track

### Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall near Cape Hatteras, NC. These projections are based on information from the NHC (1330 EDT 04/30/2007) forecast. Temporary roofing is based on 2% in CAT 1 and 6% in CAT 2.

Details about this model may be obtained at <https://englink.usace.army.mil>  
or contact ENGLink at 1-877-936-4546

## Hurricane Kate Roofing Model

### Generated By:

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### Sources:

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LRL-DEBRIS

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Landfall Expected In About **72** Hours

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[illegible]

Temporary roofing is based on 2% in CAT 1 and 6% in CAT 2.

Details about this model may be obtained at <https://enqlink.usace.army.mil>  
or contact ENQLink at 1-877-936-4546

Hurricane Kate  
Roofing Model

**Generated By:**

Siemens, LRL 1400 EDT 04/30/2007

**Sources:**

HURREVAC  
LRL-DEBRIS

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